

National Grid Massachusetts Manhole Inspections Report 1st Quarter April 2008

nationalgrid	Massachusetts Manhole Inspection Summary						
	First Quarter: January 1, 2008 through March 31, 2008						
	Total Manhole Inspections Complete by Division						
		2008 Calendar Year			Quarterly Update	System Total; Five Year Goal ¹	
Division	Inspections Completed	Yearly Goal	% Complete	Inspections	Inspections Completed	Manholes	% Complete
Bay State South	183	1065	17%	183	2095	5326	39%
Bay State West	252	1083	23%	252	2041	5416	38%
North & Granite	127	1594	8%	127	3151	7966	40%
Totals	562	3742	15%	562	7287	18708	39%

Update covers inspections completed through March 31st 2008

1- Over five year period 2006 through 2010

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nationalgrid	Massachusetts Manhole Inspection Summary		
First Quarter: January 1, 2008 through March 31, 2008			
Total Priorities by Division			
		System Total; Five Year Goal ¹	
Division	PRIORITY	Total Count	Total Closed Items
Bay State South	A	154	150
Bay State South	B	452	81
Bay State South	C	1050	83
Bay State South	E	18	18
Bay State West	A	338	327
Bay State West	B	156	46
Bay State West	C	772	151
Bay State West	E	1	1
North & Granite	A	441	365
North & Granite	B	944	59
North & Granite	C	1848	157
North & Granite	E	31	30
Totals		6205	1468

Update covers inspections completed through March 31st 2008

1- Over five year period 2006 through 2010

2-Priorities:

E = Immediate

A = ASAP

B = Directed

C = Capitol

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nationalgrid		Massachusetts Manhole Inspection Summary		
First Quarter: January 1, 2008 through March 31, 2008				
Total Priorities by Facility Type				
			System Total; Five Year Goal ¹	
Division	PRIORITY	Facility Type	Total Count	Total Closed Items
Bay State South	A	Cable/Joint leaking	21	20
Bay State South	A	Cracked/broken	2	2
Bay State South	A	Grounded/Bonded	5	5
Bay State South	A	Improper Grade	1	1
Bay State South	A	Missing nomenclature	113	113
Bay State South	A	Missing(Anodes)	7	6
Bay State South	A	Need Replacement(Anodes)	1	0
Bay State South	A	Re-rack	3	2
Bay State South	A	Ring/cover repair/replace	1	1
Bay State South	B	Cable/Joint leaking	7	0
Bay State South	B	Cables bonded	34	0
Bay State South	B	Cracked/broken	31	3
Bay State South	B	Grounded/Bonded	146	3
Bay State South	B	Improper grade	51	8
Bay State South	B	Re-rack	67	5
Bay State South	B	Ring/cover repair/replace	116	62
Bay State South	C	Fire proofing	117	2
Bay State South	C	Grounded/Bonded	1	0
Bay State South	C	Missing nomenclature	1	0
Bay State South	C	Missing(Anodes)	494	44
Bay State South	C	Need Replacement(Anodes)	437	37
Bay State South	E	Cable/Joint leaking	1	1
Bay State South	E	Cracked/broken	3	3
Bay State South	E	Grounded/Bonded	2	2
Bay State South	E	Improper grade	1	1
Bay State South	E	Missing nomenclature	1	1
Bay State South	E	Missing(Anodes)	1	1
Bay State South	E	Re-rack	4	4
Bay State South	E	Ring/cover repair/replace	5	5
Bay State West	A	Cable/Joint leaking	37	32
Bay State West	A	Missing nomenclature	300	294
Bay State West	A	Re-rack	1	1
Bay State West	B	Cable/Joint leaking	3	0
Bay State West	B	Cables bonded	6	4
Bay State West	B	Cracked/broken	13	5
Bay State West	B	Grounded/Bonded	67	23
Bay State West	B	Improper grade	13	2
Bay State West	B	Missing Nomenclature	2	0
Bay State West	B	Re-rack	40	9
Bay State West	B	Ring/cover repair/replace	12	3
Bay State West	C	Cable/Joint leaking	1	0
Bay State West	C	Fire proofing	52	16
Bay State West	C	Missing(Anodes)	442	88
Bay State West	C	Need Replacement(Anodes)	275	47
Bay State West	C	Re-rack	2	0
Bay State West	E	Cable/Joint leaking	1	1

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North & Granite	A	Cable/Joint leaking	113	84
North & Granite	A	Cracked/broken	4	1
North & Granite	A	Missing nomenclature	317	274
North & Granite	A	Need Replacement(Anodes)	1	0
North & Granite	A	Re-rack	3	3
North & Granite	A	Ring/cover repair/replace	3	3
North & Granite	B	Cable/Joint leaking	6	0
North & Granite	B	Cables bonded	87	3
North & Granite	B	Cracked/broken	67	11
North & Granite	B	Fire proofing	1	0
North & Granite	B	Grounded/Bonded	339	8
North & Granite	B	Improper grade	50	6
North & Granite	B	Re-rack	251	18
North & Granite	B	Ring/cover repair/replace	143	13
North & Granite	C	Cable/Joint leaking	1	0
North & Granite	C	Fire proofing	764	84
North & Granite	C	Grounded/Bonded	1	0
North & Granite	C	Missing(Anodes)	639	39
North & Granite	C	Need Replacement(Anodes)	442	34
North & Granite	C	Ring/cover repair/replace	1	0
North & Granite	E	Cable/Joint leaking	17	17
North & Granite	E	Cables bonded	1	1
North & Granite	E	Cracked/broken	4	4
North & Granite	E	Fire proofing	1	1
North & Granite	E	Grounded/Bonded	1	1
North & Granite	E	Re-rack	2	2
North & Granite	E	Ring/cover repair/replace	5	4
Totals			6205	1468